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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/061,376	02/01/2002	Brant D. Thomsen	3COM-3685.MCD.US.P	2397

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EXAMINER

HA, LEYNNA A

ART UNIT PAPER NUMBER

2135

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/061,376

Applicant(s)

THOMSEN, BRANT D.

Examiner

LEYNNA T. HA

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

1. Claims 1-24 have been examined and are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claim 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Pham (US 6,446,173).**

As per claim 1:

method of providing security a network, said method comprising:

a) detecting a first packet being broadcast in said network, said first packet having associated with it an address that identifies an untrusted device in said network; and **[col.1, lines 58-62]**

b) in response to said detection, broadcasting a signal to cause said first packet to be corrupted **[col.12, lines 12-13 and 42-43]**, wherein said first packet is ignored by devices in said network. **[col.10, lines 36-37 and col.13, lines 9-10]**

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As per claim 2: See col.13, lines 9-10; discussing c) re-broadcasting said signal in response to said first packet being detected again.

As per claim 3: See col.13, lines 7-14 and col.12, lines 1-5; discussing c) determining that a collision was not caused by broadcasting said signal; and d) re-broadcasting said signal according to a predetermined protocol in anticipation of further packets being broadcast from said untrusted device.

As per claim 4: See col.2, lines 51-52; discussing d) comprises: d1) continually broadcasting said signal, wherein a collision will be caused with any packet broadcast.

As per claim 5: See col.1, lines 43-46; discussing said devices in said network are substantially compliant with the IEEE 802.3 specification.

As per claim 6: See col.2, lines 55 and col.5, lines 23-30; discussing said address is a physical address for said untrusted device.

As per claim 7: See col.2, lines 55 and col.5, lines 23-30; discussing said address is a Medium Access Control (MAC) address.

As per claim 8: See col.2, lines 55 and col.5, lines 23-30; discussing said address is a source Medium Access Control (MAC) address of said first packet.

As per claim 9: See col.2, lines 55 and col.5, lines 23-30; discussing said address is a destination Medium Access Control (MAC) address of said first packet.

As per claim 10: See col., lines ; discussing said network is an Ethernet.

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As per claim 11:

a device for providing security in a network, said device comprising:

memory to store a list of addresses; **[col.13, lines 60-65]**

detection logic for detecting a first packet that is considered a security risk, said detection based on comparing said list of addresses with an address in said first packet; **[col.5, lines 23-30]**

logic to transmit a second packet while said first packet is being broadcast **[col.10, lines 33-34]**, wherein said device is operable to cause a collision between said first packet and said second packet. **[col.12, lines 12-13 and 42-43]**

As per claim 12: See col.5, lines 23-30; discussing said list of addresses comprises trusted addresses.

As per claim 13: See col.12, lines 40-48; discussing said list of addresses comprises untrusted addresses.

As per claim 14: See col.5, lines 23-30; discussing said detection logic is further for comparing a physical address in said first packet with said list of addresses.

As per claim 15: See col.2, lines 55 and col.5, lines 23-30; discussing said physical address is a medium control access (MAC) destination address.

As per claim 16: See col.2, lines 55 and col.5, lines 23-30; discussing said physical address is a medium control access (MAC) source address.

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As per claim 17: See col.9, lines 52-56; discussing said device further comprises logic operable to transmit a warning message if a packet having an untrusted address is detected.

As per claim 18: See col.5, line 33; discussing said device is selected from the group comprising: a router, a switch, and a network interface card (NIC).

As per claim 19:

method for providing security in a segment of a network, said method comprising:

a) determining that a first packet broadcast in said segment is associated with an untrusted node; and **[col.9, lines 52-56 and col.13, lines 9-10]**

b) broadcasting a second packet to cause a collision between said first packet and said second packet **[col.10, lines 33-34 and col.12, lines 12-13 and 42-43]**, wherein nodes in said network ignore said first packet. **[col.10, lines 36-37 and col.13, lines 9-10]**

As per claim 20: See col.5, lines 23-30 and col.12, lines 40-48; discussing a1) reading an address in said first packet, said first packet received at a first node; and a2) determining that said address is on a list stored on said first node, said list comprising unauthorized addresses, wherein said first packet is determined to be associated with said untrusted node if said address is on said list.

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As per claim 21: See col.5, lines 23-30 and col.12, lines 40-48;

discussing: c) adding to said list of unauthorized addresses an unauthorized address.

As per claim 22: See col.5, lines 23-30 and col.13, lines 60-65;

discussing a1) reading an address in said first packet, said first packet received at a first node, said list comprising authorized addresses; and a2) determining that said address is on a list stored on said first node, wherein said first packet is determined to be associated with said untrusted node if said address is not on said list.

As per claim 23: See col.5, lines 23-30; discussing c) adding to a list of authorized addresses an authorized address.

As per claim 24: See c col.10, lines 36-37 and col.13, lines 9-10;

discussing c) determining that a third packet broadcast in said segment is associated with said untrusted node; and d) broadcasting a fourth packet to cause a collision between a said third packet and said fourth packet, wherein nodes in said segment ignore said third packet.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEYNNA T. HA whose telephone number is (571) 272-3851. The examiner can normally be reached on Monday - Thursday (7:00 - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LHa


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